

## MANGANESE DRY BATTERY

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Applicant: TOSHIBA BATTERY

Classification:

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H01M4/06; H01M2/16; H01M6/00; H01M6/04; (IPC1-7):  
H01M6/06; H01M2/16; H01M4/06; H01M6/22

- european:

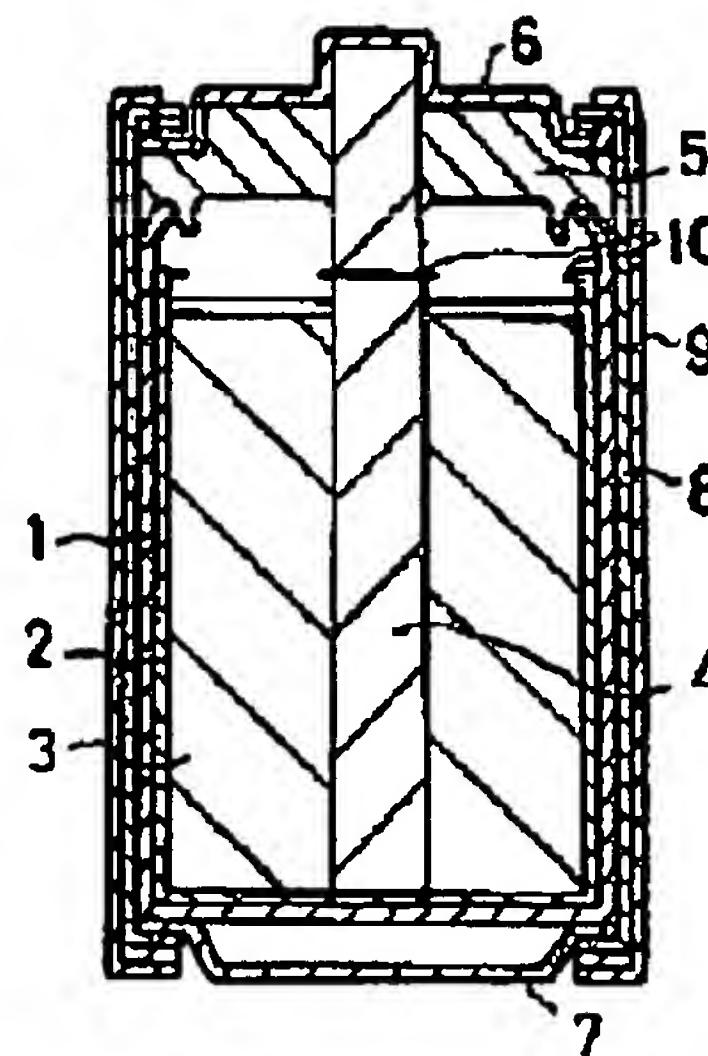
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### Abstract of JP8213030

PURPOSE: To restrain the increase in internal resistance at light load discharging time while maintaining a conventional heavy load characteristic by applying specific paste agent to a separator in the dry battery where zinc (alloy) being a negative electrode and a positive electrode mix are oppositely arranged through the separator. CONSTITUTION: The battery is formed by oppositely arranging zinc or zinc alloy being a negative electrode 1 and a positive electrode mix 3 (for example, a mold by mixing a conductive agent such as a manganese dioxide and acetylene black and electrolyte mainly composed of zinc chloride) through a separator 2. In this battery, a paste agent (for example, paste agent by adding hippuric acid sodium to paste composed of PVA, prepared starch and surfactant) containing hippuric acid sodium is applied to the separator 2 (for example, kraft paper is used as base material). It is preferable to set an adding quantity of hippuric acid sodium in 0.01 to 0.2mg/cm<sup>2</sup> to separator base material. As a result, a storage characteristic of the dry battery is also improved.



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